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(54) Title: PISTON PUMP

(57) Abstract

A piston pump (10) for a liquid, comprising a piston (14) provided in a housing (16), comprising a piston body (18), a non-return valve (28) provided in the piston body (18), and a seal (32) provided between the piston body (18) and the housing (16), a drive shaft (44) operatively connected to the piston body (18) for reciprocal motion therewith, the drive shaft (44) being shaped and configured such that substantially equal volumes of liquid are displaced on initial and return strokes of the drive shaft (44). The drive shaft (44) is chosen to have a cross-sectional area equal to the cross-sectional area between the drive shaft (44) and the bousing (16). The drive shaft (44) is hollow to provide buoyancy to the drive shaft (44), and is divided into chambers in case a leak develops.

